U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
SBA Shipyards (OPA removal) - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #4**
Alkyne Storage Pump House Removal
SBA Shipyards (OPA removal)

Jennings, LA
Latitude: 30.1641500 Longitude: -92.6158800

To: Reggie Cheatham, EPA
Ronnie Crossland, Emergency Management Branch
Brian Wynne, LOSCO

From: Mark Hayes, Environmental Engineer, OSC
Date: 6/23/2015
Reporting Period:

1. Introduction

1.1 Background

Site Number:	V6QM	**Contract Number:**	EP-W-06-077
D.O. Number:		**Action Memo Date:**	
Response Authority:	OPA	**Response Type:**	Non-Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:		**Start Date:**	5/25/2015
Demob Date:		**Completion Date:**	6/12/2015
CERCLIS ID:	LAD008434185	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:	E15608	**Reimbursable Account #:**	

1.1.1 Incident Category

OPA removal action.

1.1.2 Site Description

The SBA Shipyard Inc. (SBA) facility is situated on approximately 98 acres of land located in a rural-industrial area, at 9040 Castex Landing Road, Jefferson Davis Parish, LA 70546, at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. The site is approximately 2.3 miles southwest (downstream) of Mermentau, Louisiana. The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415º North and Longitude 92.61588º West. This facility is bordered to the north by residents, south by wetlands, west by rural land and wetlands, and east by the Mermentau River. Access to the property is restricted with fencing and locked gates.

The facility operated from 1965 through 1999 for the purpose of constructing, repair, retrofitting, and cleaning of barges. This OPA removal action is limited to a submerged barge and associated Alkyne Storage Tank pump house (barge).

1.1.2.1 Location

SBA is located at 9040 Castex Landing Road, Jefferson Davis Parish, LA 70546, at the end of State Highway 3166 and adjacent to the west bank of the Mermentau River. The geographic coordinates at the abandoned office and facility entrance are Latitude 30.16415º North and Longitude 92.61588º West.

1.1.2.2 Description of Threat

Oil was observed discharging from the barge and migrating in a southeast direction into a nearby wetland that is hydrologically connected to the Mermentau River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

EPA and START-3 mobilized to the site on October 15, 2014 to assess the contents of the barge, the threat posed to the nearby wetland and Mermentau River, and the necessary steps to mitigate that threat. Field operations during the assessment included photo and written documentation, measurements of the barge and sample collection.

START-3 determined the following measurements based on the visible portions of the barge:

- 50 feet (length) x 20 feet (width) x 7.6 feet (depth). Depth of the buried barge was measured from a hatch opening on the east side of the pump house.

START-3 collected two (2) samples from the barge, and one (1) on-site liquid sample from the overhead horizontal saddle tank, located 50 feet north of the pump house structure. The two (2) samples collected from the barge were sent to the laboratory for the following analysis: VOC, SVOC, PCB, TPH, TAL Metals, TCLP VOCs, TCLP SVOCs, TCLP Metals, Oil and Grease, and TPH as DRO, GRO, and ORO. The one (1) sample collected from the horizontal saddle tank was sent to the laboratory for the following analysis: Total VOCs and Flashpoint.

Samples collected from the barge indicated results of elevated concentrations of Polycyclic Aromatic Hydrocarbons (PAH) and Total Petroleum Hydrocarbons (TPH) in the form of diesel (DRO) and motor oil range organics (ORO). Sample results confirmed that the removal should be funded as an OPA removal action.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

From May 25 – 27, 2015 the following tasks were completed:

- US EPA, START and ERRS mobilized to the site to discuss the initial removal plan and site preparations including; site security, access to removal locations and possible staging areas.
- Initiated removal and off-site disposal of 22,500 gallons of oil and oily water from the barge
- Constructed gravel road on site for vacuum trucks to access the barge.
- Conducted air monitoring using the MultiRAE Pro for O_2, LEL, H_2S, VOC and CO during removal activities – all readings 0 ppm.

From May 28 – 30, 2015 the following tasks were completed:

- Continued removal and off-site disposal of oil and oily water from the barge.
- Continued construction and improvements to gravel road on site for tanker trucks to access area adjacent to the barge due to saturated conditions from rainfall.
- Continued air monitoring using the MultiRAE Pro for O_2, LEL, H_2S, VOC and CO during removal activities – all readings 0 ppm.
- Grab samples of oil and oily water were taken from three hatch openings on the north side of the barge analysis and further characterization. Removal and off-site disposal of the barge contents will be postponed until sample results are received.
- US EPA, START and ERRS demobilize from site.

From June 8 – 12, 2015 the following tasks were completed:

- Sample results collected during the week of May 28 - 30, 2015 confirmed that the oil and oily water should be handled as an OPA removal action.
- EPA, ERRS, and start mobilized to the site and completed removal and off-site disposal of oil, oily water, and oil-contaminated waste. EPA removed 90,484 gallons of oily water and 35 cubic yards of oil-contaminated waste.
- All loose oil stained material and debris from inside the barge was bagged and placed into a lined roll-off container for disposal. Any remaining oily liquid in the barge was addressed with oil solidifier (Oil-Dri) and removed for disposal.
- Continued air monitoring using a Multirae for O_2, LEL, H_2S, VOC and CO during removal activities – all readings 0 ppm
- A composite sample of sludge was taken from three hatch openings on the north side of the barge, and a grab sample was taken from the diesel tank inside the barge for laboratory analysis and

characterization of contents. Removal and off-site disposal of sludge contents that remain in the barge will be postponed until characterization is complete.

- A continuous earthen berm was constructed around the north (starboard), east (stern) and south (port) portion of the barge. The earthen berm was lined with poly sheeting and anchored in place with sand as a precaution in case of a liquid recharge.
- Prior to demobilization from the site, the gravel road built for easy access to the barge was de-constructed.
- US EPA, START and ERRS demobilize from site.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

OSC issued Notice of Federal Interest to Responsible Parties (PRPs) on February 10, 2015 and February 12, 2015 to include:

Ashland Inc.
Canal Barge Company, Inc.
Cenac Marine Services, LLC
Coastal Tug & Barge, Inc.
ConocoPhillips Company
Genae Towing Company
Hess Corporation
Higman Marine Services, Inc.
Ingram Marine Group
Ionian Management Inc.
Kenny Sterns
Kirby Corporation
LeeVac Shipyard, LLC
Louis & Suzanne Smailhall
Marine Operators, Inc.
Martin Energy Services LLC
Martin Midstream Partners LP
National Marine Service
Penn Maritime Inc
Sargeant Marine Inc.
SSIC Remediation, L.L.C.
Sunoco Inc.
Talon's Marine & Fuel LLC
Transerve Marine Inc

The NOFI's were mailed as a means to inform all parties, including the current property owner, of their potential liability for operations associated with the barge. They were identified as part of an ongoing CERCLA action that is necessary to address CERCLA contaminants at the site. It is unknown whether they contributed to the oil that was removed from the barge.

2.1.4 Progress Metrics

Waste Stream	***Medium***	***Quantity***	***Manifest #***	***Treatment***	***Disposal***
Non Hazardous Waste	Oily Water	22,500 gallons	CHESI-001, Sprint-001, Sprint-002, CHESI-002, CHESI-003	NA	Clean Harbors White Castle LLC
Non Hazardous Waste	Oily Water	18,000 gallons	CHESI-004, CHESI-005, CHESI-006, CHESI-007	NA	Clean Harbors White Castle LLC

Non Hazardous Waste	Oily Water	13,200 gallons	Sprint-003, CHESI-008, CHESI	NA	Clean Harbors White Castle LLC
Non Hazardous Waste	Oily Water	25,234 gallons	9027, 9086, 10046EPA, 10050EPA, 10048EPA, 10049EPA	NA	Environmental Response Services
Non Hazardous Waste	Oily Water	11,550 gallons	10047EPA, 9048, 8984,1005EPA	NA	Environmental Response Services
Non Regulated Material	Solid Waste	35 yd^3	152293, 152300	NA	Chemical Waste Management

2.2 Planning Section

2.2.1 Anticipated Activities

No additional OPA removal activities are anticipated at this time.

2.2.1.1 Planned Response Activities

No additional OPA removal activities are anticipated at this time.

2.2.1.2 Next Steps

None

2.2.2 Issues

Additional CERCLA wastes identified at the site will be addressed using CERCLA funding and authority.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

No information available at this time.

2.5.2 Liaison Officer

No information available at this time

2.5.3 Information Officer

No information available at this time

3. Participating Entities

3.1 Unified Command

No information available at this time.

3.2 Cooperating Agencies

US EPA Region 6
Louisiana Department of Environmental Quality (LDEQ)
United States Coast Guard (USCG)

4. Personnel On Site

No information available at this time.

5. Definition of Terms

CO - Carbon Monoxide
DRO – Diesel Range Organics
ERRS - Emergency and Rapid Response Services
GPS - Global Positioning System
H2S - Hydrogen Sulfide
LDEQ – Louisiana Department of Environmental Quality
LEL - Lower Explosive Limit
LTU – Land Treatment Unit
O2 - Oxygen
ORO – Oil Range Organics
OSC – On-Scene Coordinator
PAHs - Polycyclic Aromatic Hydrocarbons
PCB - Polychlorinated Biphenyl
PRPs - Potentially Responsible Parties
RA – Removal Assessment
SBA - SBA Shipyard Inc.
START – Superfund Technical Assessment and Response Team
SVOC – Semi-Volatile Organic Compounds
TAL - Target Analyte List
TCLP - Toxicity Characteristic Leaching Procedure
TPH - Total Petroleum Hydrocarbons
USCG – Unites States Coast Guard
US EPA - United States Environmental Protection Agency
VOC - Volatile Organic Compounds

6. Additional sources of information

6.1 Internet location of additional information/report

Additional information can be obtained at epaosc.org/sbashipyards

6.2 Reporting Schedule

No information available at this time.

7. Situational Reference Materials

No information available at this time.